

AMENDMENTS TO THE SPECIFICATION

Please replace the ABSTRACT with the following amended paragraph:

Letter input rate of a conventional cell phone is low because only the thumb is used for inputting a letter. ~~When~~ The inventive cell phone ~~provided~~ with one joystick, two shift keys and twenty six keys on the opposite side faces, ~~faces~~ is grasped by both hands and ten fingers are used. ~~used~~, Any ~~any~~ one of twenty six alphabetical letters can be inputted by a single push operation without switching the shift key and letters can be inputted at super-high rate by touch typing. ~~A novel and epoch-making field as the communication means of a~~ The cell phone is ~~developed and~~ significantly enhances the convenience of letter input for users. ~~user can be enhanced significantly.~~

Please replace paragraph [0008] with the following amended paragraph:

[0008] When letters are inputted using a cell phone, a right-handed user holds the cell phone with the right hand to move the display to the front of the user's eyes, thereby moving the right hand thumb to push one key ~~to another~~ at a time, as shown in FIG. 3.

Please replace paragraph [0012] with the following amended paragraph:

[0012] The key board section provided on the front surface of the cell phone has about twelve keys to which twenty-six alphabet letters A to Z and ten numeric characters are assigned. On average, one key is assigned with three ~~types of alphabet~~ alphabetical letters and one numeric character.

Please replace paragraph [0015] with the following amended paragraph:

[0015] These Japanese characters can be converted into Kanji (Chinese character) or Japanese "Katakana" by a joy key. By pushing the center part of the joy key, converted characters are fixed, and cursor position may be shifted to the next position to be ~~inputted~~ inputted.

Please replace paragraph [0016] with the following amended paragraph:

[0016] The joy key is used from the former times and it is a key of one ~~surfaced-apparatus~~ surfaced-apparatus which have electric contact points in the upper, lower, left and right area part.

Please replace paragraph [0022] with the following amended paragraph:

[0022] There is another kind of key in which the surface of the joy key is divided into four keys, and generally it is called a four arrow direction ~~keys~~ key. There is a button in the center part of the ~~the~~ four arrow direction key, that ~~it~~ is used as a decision key.

Please replace paragraph [0023] with the following amended paragraph:

[0023] In addition, there ~~are~~ is another ~~types~~ type of key ~~the kind~~ which shifts the cursor to the upper or lower direction by rotating a cogwheel, and left and right side key of the cogwheel shifts the cursor to the left or right direction, and rotating a ball embedded by half shifts the cursor to the upper, lower, left or right direction.

Please replace paragraph [0024] with the following amended paragraph:

[0024] The key which ~~used~~ has only two electric contacts faced towards each other ~~of the joy key~~ is called a two-direction joy key. The key which ~~used~~ uses only two electric contacts faced towards each other in ~~of~~ the four arrow direction key is called a two-arrow direction key. These keys have ~~are~~ the ~~completely~~ same function as the other two keys.

Please replace paragraph [0025] with the following amended paragraph:

[0025] If a mode ~~selecter~~ selector key is depressed to input a number, it will be in the state where a number can be inputted, and if a mode ~~selecter~~ selector key is depressed further once again, it will be in the state where the alphabet can be inputted.

Please replace paragraph [0026] with the following amended paragraph:

[0026] The following is ~~a the~~ description of ~~the way a method for~~ of copying, cutting and pasting ~~of an~~ e-mail sentence etc. which ~~is~~ was already made in the display of a conventional cell phone, and ~~performing~~ pasting it into ~~the~~ another position after copying a part of the e-mail sentence.

Please replace paragraph [0027] with the following amended paragraph:

[0027] First, the menu of “copying”, “cutting” and “pasting” is displayed by depressing the mode ~~selecter~~ selector key **11**, and the cursor is shifted to “copying” position by joy key **12**. Then, “copying” is decided by depressing the decision key in the center position of the joy key **12**, and shifting the cursor to the start point of the sentence to be ~~copyed~~ copied and depressing the decision key, and after shifting the cursor to the end point of the sentence to be ~~copyed~~ copied, and again the decision key is depressed.

Please replace paragraph [0028] with the following paragraph:

[0028] Next, the menu of “copying”, “cutting” and “pasting” is displayed by depressing the mode ~~selecter~~ selector key **11**, and the cursor is shifted to “pasting” position by joy key **12**. Then, “pasting” is decided by depressing the decision key, and shifting the cursor to the insert point of the sentence to be patched and by depressing the decision key, then the pasting work can be ~~performed~~ performed. There are twelve steps of work in total.

Please replace paragraph [0049] with the following amended paragraph:

[0049] At present, such techniques as suggested in the above publications are not practically marketed. The reason is that the letter input rate of a cell phone having the above-described side face keys and/or side face auxiliary keys ~~does~~ is not remarkably faster than that of a currently-marketed product having a keyboard on the front surface thereof ~~a key board~~.

Please replace paragraph [0052] with the following amended paragraph:

[0052] Hereinafter, a joy key, joy stick, arrow direction key, or cogwheel type of input means will be generally referred to as a joy stick or joy key. The current techniques as described above do not allow ~~provide an idea of allowing~~ a main body of a cell phone to be held by both hands so that ten fingers of both hands are used to input ~~letters~~ letters. They merely describe and do not get out of a mere idea of the operation with only one hand. In other words, in these conventional techniques, it has not been noticed that the use of ten fingers of both hands provides a remarkably faster letter input rate. When ten fingers of both hands are used to input letters into to a recent current small cell ~~phone~~ phones which can be held with one hand, contrivance is required as to where and in what manner the hands should be positioned.

Please replace paragraph [0056] with the following amended paragraph:

[0056] The cell phones, which were conventionally started with a function of telephone, have been generally bound by a mere idea of the operation with one hand in spite of the current addition of an e-mail function. The reason is that they ~~do~~ did not discover the fact that a user inputting [[a]] text for an e-mail to a cell phone very frequently has both hands available which can be freely used. Alternatively, the reason may be that they considered that a cell phone held by both hands causes the right hand fingers and the left hand fingers to be superposed on the same position on the cell phone surface, thereby preventing the user from pushing ten keys.

Please replace paragraph [0057] with the following amended paragraph:

[0057] When performing the copying and pasting of an e-mail sentence which was is already made in the display of conventional cell phone, there are twelve steps of work in total described above.

Please replace paragraph [0058] with the following amended paragraph:

[0058] If the work is performed by only one thumb, since joy key **12** and mode ~~selecter~~
selector key **11** must be operated in order by the thumb, it becomes very troublesome work.

Please replace paragraph [0062] with the following amended paragraph:

[0062] According to the present invention, a main body of a cell phone has a substantially
~~rectangular~~ rectangular parallelepiped shape in which faces having narrower widths
including the longest edge line both have thereon keys so that the thumbs and the respective
remaining four fingers of both hands hold the cell phone. This allows a rotatory force by the
pressing force and ~~the~~ a reaction force by the keys on both faces to be minimized, thereby
providing the cell phone with a structure by which the cell phone is easily held and the keys
thereon are pushed with an extreme ease.

Please replace paragraph [0063] with the following amended paragraph:

[0063] Moreover, the cell phone is held by a right hand and a left hand such that the right
hand and the left hand are shifted in the ~~forward~~ forward and backward direction of the cell
phone. This allows the ten fingers to be efficiently positioned over the entirety of the cell
phone's side faces, thereby to enable pressing a number of keys. Moreover, since a display
can be equipped all over the front surface of the cell phone by above reason, it can display a
lot of information.

Please replace paragraph [0064] with the following amended paragraph:

[0064] Cross-sections X-X as shown in FIG. 4 shows a frame which is provided on the
position between the neighboring keys in the first and second column while three column
keys are provided in one row. The frame is designed to be higher than these ~~neiboring~~
neighboring keys.

Please replace paragraph [0090] with the following amended paragraph:

[0090] The present invention allows one key to have ~~limited~~ two roles “alphabet numeric character” and Japanese “Hiragana”, thereby allowing a user to learn easily the position of keys. Therefore, touch typing can be performed by practice of the same grade as that of a personal computer on a desk generally used.

Please replace paragraph [0097] with the following amended paragraph:

[0097] The joy key 215 on the right side face has a main task of moving a cursor on the display 02 in the lateral and ~~virtial~~ vertical directions. The joy key 215 also may be allocated ~~for~~ a task of conversion from "Hiragana" to "Kanji" and "Katakana" or other tasks when Japanese Kanji needs to be inputted.

Please replace paragraph [0099] with the following amended paragraph:

[0099] The following is a ~~the~~ description of ~~the way a method for~~ a method for ~~of~~ copying, cutting and pasting ~~of an~~ e-mail sentence etc. which ~~is~~ was already made in the display of the cell phone according to the present invention, and the description below shows the steps for ~~performing~~ pasting it into ~~the~~ another position after copying a part of an e-mail sentence.

Please replace paragraph [0100] with the following amended paragraph:

[0100] First, after shifting the cursor to the start point of the sentence to be ~~copyed~~ copied by joy key **215**, user shifts the cursor to the end point of the sentence to be ~~copyed~~ copied by the joy key **215** while the key **235- 1** is being pushed by the left hand little finger, then removes the left hand little finger from the key **235- 1**.

Please replace paragraph [0102] with the following amended paragraph:

[0102] When performing the “cutting” and “pasting” work, the function key **235- 2** is used. If the function key **235- 3** is used for the function menu (inserting of telephone number, mail ~~address, adress~~ address, and person's name) which are not frequently used for Japanese language, it can be used for multiple purposes although input rate becomes slow.

Please replace paragraph [0111] with the following amended paragraph:

[0111] ~~It may think that~~ The twelve keys of the conventional front key are shifted to the position of the left side face. By using six shift keys of the right side face properly, a high rate letter input can be performed using the shift keys instead of the conventional mode ~~selecter~~ selector key.

Please replace paragraph [0133] with the following amended paragraph:

[0133] Thus, the present invention allows one key to have ~~limited~~ two roles (e.g., alphabet and numeric character ~~character-sign~~), thereby allowing a user to perform touch typing with ~~an~~ extreme ease.

Please replace paragraph [0139] with the following amended paragraph:

[0139] The joy key **82** is a key which ~~have~~ has a task for moving a cursor in the upper, lower, left or right directions while waiting for the input of Japanese characters. But, after inputting the Japanese characters when ~~being pushed~~ pushing the lower part of the joy key, the characters can be converted into Kanji (Chinese character), and when ~~being pushed~~ pushing once the upper part of the joy key, it can be converted into the full size Japanese “Katakana”, and when ~~being pushed~~ pushing the upper part one more time it can be converted into the half size Japanese “Katakana”.

Please replace paragraph [0151] with the following amended paragraph:

[0151] In the one hand mode, six keys of **92** , **93** and **94** are changed into shift keys or mode ~~selecter~~ selector keys, ten keys of **87** , **88** , **89** , **90** and **91** are changed into character keys, and character input can be carried out.

Please replace amended paragraph [0174] with the following amended paragraph:

[0174] Thus, the present invention allows one key to have ~~limited~~ two roles (e.g., alphabet and numeric character ~~character-sign~~), thereby allowing a user to perform touch typing with ~~an~~ extreme ease.

Please replace paragraph [0245] with the following amended paragraph:

[0245] The joy key **215** is a key which ~~have~~ has a task for moving a cursor in the upper, lower, left or right directions while waiting for the input of Japanese characters. But, after inputting the Japanese characters when ~~being pushed~~ pushing the lower part of the joy key, the characters can be converted into Kanji (Chinese character), and when ~~being pushed~~ pushing once the upper part of the joy key, it can be converted into the full size Japanese "Katakana", and when ~~being pushed~~ pushing the upper part one more time it can be converted into the half size Japanese "Katakana".

Please replace paragraph [254] with the following amended paragraph:

[0254] The present invention allows one key to have ~~limited~~ two roles "alphabet numeric character" and Japanese "Hiragana", thereby allowing a user to learn easily the position of keys. Therefore, touch typing can be ~~performed by practice~~ practiced using ~~of the same grade type of exercises as that of a~~ those generally used for a personal computer on a desk generally used.

Please replace paragraph [0261] with the following amended paragraph:

[0261] The joy key 215 on the right side face has a main task of moving a cursor on the display 02 in the lateral and ~~virtial~~ vertical directions. The joy key 215 also may be allocated for a task of conversion from "Hiragana" to "Kanji" and "Katakana" or other tasks when Japanese Kanji needs to be inputted.

Please replace paragraph [0263] with the following amended paragraph:

[0263] The following is a ~~the~~ description of ~~the way a method for~~ of copying, cutting and pasting ~~of an~~ an e-mail sentence etc. which ~~is~~ was already made in the display of the cell phone according to the present invention, and the description below shows the steps for ~~performing~~ pasting it into ~~the~~ another position after copying a part of an e-mail sentence.

Please replace paragraph [0264] with the following amended paragraph:

[0264] First, after shifting the cursor to the start point of the sentence to be ~~copyed~~ copied by joy key **215**, user shifts the cursor to the end point of the sentence to be ~~copyed~~ copied by the joy key **215** while the key **235-1** is being pushed by the left hand little finger, then removes the left hand little finger from the key **235-1**.

Please replace paragraph [0266] with the following amended paragraph:

[0266] When performing the “cutting” and “pasting” work, the function key **235 - 2** is used. If the function key **235 - 3** is used for the function menu (inserting of telephone number, mail ~~adress, adress~~ address, and person's name) which are not frequently used for Japanese language, it can be used for multiple purposes although input rate becomes slow.

Please replace paragraph [0275] with the following amended paragraph:

[0275] ~~It may think that~~ The twelve keys of the conventional front key are shifted to the position of the left side face. By using six shift keys of the right side face properly, a high rate letter input can be performed using the shift keys instead of the conventional mode ~~seleeter~~ selector key.

Please replace paragraph [0289] with the following amended paragraph:

[0289] The left hand thumb operates fifteen keys of **255** , **256** , **257** , **258** and **259** on the front side face of the user; the left hand forefinger operates ~~operates~~ six keys of **247** and **248** on the back side face to the user; the left hand middle finger operates three keys of **249** on the back side face; the left hand fourth finger operates three keys of **250** on the back side face; and left hand little finger operates three keys of **251** and three function keys **235** on the back side face respectively.

Please replace paragraph [0307] with the following amended paragraph:

[0307] As can be seen from FIG. 11, the cell phone includes the joy key **260** and shift keys **277-1** , **278-1** and **279-1** ~~opeated~~ operated by the fast-moving right hand thumb which can perform a number of delicate tasks.

Please replace paragraph [0314] with the following amended paragraph:

[0314] Naturally, the present letter input means also can be simply used as a cell phone by which a telephone number can be inputted with one hand, by detecting with a sensor ~~seneer~~ when ~~foled~~ folded, and switching to one hand mode and keys in the first and second columns of the keys **271** , **272** , **273** , **274** and **275** are assigned the numeric characters 1, 2, . . . , 9, and 0.

Please replace paragraph [0319] with the following amended paragraph:

[0319] ~~It may think that~~ The twelve keys of the conventional front key are shifted to the position of the left side face. By using six shift keys of the right side face properly, a high rate letter input can be performed using the shift keys instead of the conventional mode ~~seleeter~~ selector key.

Please replace paragraph [0324] with the following amended paragraph:

[0324] FIG. 16 also schematically ~~ehematically~~ illustrates the cell phone being held by both hands, wherein ten fingers of both hands are positioned at home positions of the letter input means. Two keys **79** are a power key and a call key.

Please replace paragraph [0332] with the following amended paragraph:

[0332] Shift key **88** or **100** may be also assigned to the forefinger, middle finger or ~~fourthfinger~~ fourth finger instead of the little finger.

Please replace paragraph [0339] with the following amended paragraph:

[0339] Thus, the present invention allows one key to have ~~limited~~ two roles (e.g., alphabet and numeric character ~~character-sign~~), thereby allowing a user to perform touch typing with ~~an~~ extreme ease.

Please replace paragraph [0345] with the following amended paragraph:

[0345] The joy key **82** is a key which ~~have~~ has a task for moving a cursor in the upper, lower, left or right directions while waiting for the input of Japanese characters. But, after inputting the Japanese characters when ~~being pushed~~ pushing the lower part of the joy key, the characters can be converted into Kanji (Chinese character), and when ~~being pushed~~ pushing once the upper part of the joy key, it can be converted into the full size Japanese “Katakana”, and when ~~being pushed~~ pushing the upper part one more time it can be converted into the half size Japanese “Katakana”.

Please replace paragraph [0357] with the following amended paragraph:

[0357] In the one hand mode, six keys of **92**, **93** and **94** are changed into shift keys or mode ~~selecter~~ selector keys, ten keys of **87**, **88**, **89**, **90** and **91** are changed into character keys, and character input can be carried out.

Please replace paragraph [0373] with the following amended paragraph:

[0373] Shift key **107** or **113** may be also assigned to the forefinger, middle finger or ~~fourthfinger~~ fourth finger instead of the little finger.

Please replace paragraph [0392] with the following amended paragraph:

[0392] Shift key **132** or **138** may be also assigned to the forefinger, middle finger or ~~fourthfinger~~ fourth finger instead of the little finger.

Please replace paragraph [0409] with the following amended paragraph:

[0409] Shift key **407** or **420** may be also assigned to the forefinger, middle finger or ~~fourthfinger~~ fourth finger instead of the little finger by shifting the position of the keys.

Please replace paragraph [0415] with the following amended paragraph:

[0415] Thus, the present invention allows one key to have more than one ~~limited one~~ role, thereby allowing a user to perform touch typing with an extreme ease.

Please replace paragraph [0432] with the following amended paragraph:

[0432] Shift key **437** or **443** may be also assigned to the forefinger, middle finger or ~~fourthfinger~~ fourth finger instead of the little finger by shifting the position of the keys.

Please replace paragraph [0457] with the following amended paragraph:

[0457] Shift key **470** or **476** may be also assigned to the forefinger, middle finger or ~~fourthfinger~~ fourth finger instead of the little finger by shifting the position of the keys.

Please replace paragraph [0483] with the following amended paragraph:

[0483] Thus, the present invention allows one key to have ~~limited~~ two roles (e.g., alphabet and numeric character ~~character-sign~~), thereby allowing a user to perform touch typing with ~~an~~ extreme ease.

Please replace paragraph [0533] with the following amended paragraph:

[0533] When the user can ~~do a touch typing type~~ typing type with the present invention, then a ~~further~~ faster letter input rate can be obtained.

Please replace paragraph [0537] with the following amended paragraph:

[0537] Due to the ~~above~~ reasons discussed above, fatigue caused to a user is significantly alleviated.